

Appendix K

K. Sector K - Hazardous Waste Treatment, Storage or Disposal Facilities.

1. Covered Stormwater Discharges. The requirements in Part VI for Sector K apply to stormwater discharges associated with industrial activity from Hazardous Waste Treatment, Storage or Disposal facilities as identified by the Activity Code specified below.

SECTOR K: HAZARDOUS WASTE TREATMENT, STORAGE, OR DISPOSAL FACILITIES	
HZ	Hazardous Waste Treatment, Storage or Disposal

2. Industrial Activities Covered by Sector K. This permit authorizes stormwater discharges associated with industrial activity from facilities that treat, store or dispose of hazardous wastes, including those that are operating under interim status or a permit under subtitle C of RCRA.
3. Limitations on Coverage.
 - a. *Prohibition of Non-Stormwater Discharges.* (See also Part I(B)(3)) Not authorized by this permit: leachate, gas collection condensate, drained free liquids, contaminated ground water, laboratory-derived wastewater and contact washwater from washing truck and railcar exteriors and surface areas which have come in direct contact with solid waste at the landfill facility.
4. Definitions.
 - a. *Contaminated stormwater* - stormwater which comes in direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater as defined in 4.e of this Appendix. Some specific areas of a landfill that may produce contaminated stormwater include (but are not limited to): the open face of an active landfill with exposed waste (no cover added); the areas around wastewater treatment operations; trucks, equipment or machinery that has been in direct contact with the waste; and waste dumping areas.
 - b. *Drained free liquids* - aqueous wastes drained from waste containers (e.g., drums, etc.) prior to landfilling.
 - c. *Land treatment facility* - a facility or part of a facility at which hazardous waste is applied onto or incorporated into the soil surface; such facilities are disposal facilities if the waste will remain after closure.
 - d. *Landfill* - an area of land or an excavation in which wastes are placed for permanent disposal, that is not a land application or land treatment unit, surface impoundment, underground injection well, waste pile, salt dome formation, a salt bed formation, an underground mine or a cave as these terms are defined in 40 CFR 257.2, 258.2 and 260.10.
 - e. *Landfill wastewater* - as defined in 40 CFR Part 445 (Landfills Point Source Category) all wastewater associated with, or produced by, landfilling activities except for sanitary wastewater, non-contaminated stormwater, contaminated

groundwater, and wastewater from recovery pumping wells. Landfill wastewater includes, but is not limited to, leachate, gas collection condensate, drained free liquids, laboratory derived wastewater, contaminated stormwater and contact washwater from washing truck, equipment, and railcar exteriors and surface areas which have come in direct contact with solid waste at the landfill facility.

- f. *Leachate* - liquid that has passed through or emerged from solid waste and contains soluble, suspended, or miscible materials removed from such waste.
- g. *Non-contaminated stormwater* - stormwater which does not come into direct contact with landfill wastes, the waste handling and treatment areas, or landfill wastewater as defined in (4)(e) of this Appendix. Non-contaminated stormwater includes stormwater which flows off the cap, cover, intermediate cover, daily cover, and/or final cover of the landfill.
- h. *Pile* - any non-containerized accumulation of solid, nonflowing hazardous waste that is used for treatment or storage and that is not a containment building.
- i. *Surface impoundment* - a facility or part of a facility which is a natural topographic depression, man-made excavation or diked area formed primarily of earthen materials (although it may be lined with man-made materials), which is designed to hold an accumulation of liquid wastes or wastes containing free liquids, and which is not an injection well. Examples of surface impoundments are holding, storage, settling, and aeration pits, ponds and lagoons.

5. Numeric Limitations, Monitoring and Reporting Requirements. (See also Part V)

SECTOR K: HAZARDOUS WASTE TREATMENT, STORAGE, OR DISPOSAL FACILITIES- SECTOR SPECIFIC NUMERIC LIMITATIONS AND BENCHMARK MONITORING				
SIC Code or Activity Code	Subsector (Discharge may be subject to requirements for more than one sector/subsector)	Parameter	Benchmark Monitoring cutoff concentration*	Numeric Limitation**
HZ	ALL – Industrial Activity Code "HZ" Subject to the Provisions of 40 CFR Part 445 Subpart A	BOD ₅		220mg/l, daily max
		TSS		56 mg/l, monthly avg. max. 88 mg/l, daily max
		Ammonia		27 mg/l, monthly avg. max. 10 mg/l, daily max
		Alpha Terpineol		4.9 mg/l, monthly avg. max. 0.042 mg/l, daily max
		Aniline		0.019 mg/l, monthly avg. max.
		Benzoic Acid		0.024 mg/l, daily max 0.015 mg/l, monthly avg. max.
		Naphthalene		0.119 mg/l, daily max 0.073 mg/l, monthly avg. max.
		p-Cresol		0.059 mg/l, daily max 0.022 mg/l, monthly avg. max.
		Phenol		0.024 mg/l, daily max 0.015 mg/l, monthly avg. max.
		Pyridine		0.048 mg/l, daily max 0.029 mg/l, monthly avg. max.
		Arsenic (Total)		0.072 mg/l, daily max 0.025 mg/l, monthly avg. max.
		Chromium (Total)		1.1 mg/l, daily max 0.46 mg/l, monthly avg. max.
		Zinc (Total)		1.1 mg/l daily max 0.46 mg/l, monthly avg. max.
		pH		0.535 mg/l, daily max 0.296 mg/l, monthly avg. max. Within the range of 6-9 pH units

These numeric limitations apply to contaminated storm water discharges from hazardous waste landfills subject to the provisions of RCRA Subtitle C at 40 CFR Parts 264 (Subpart N) and 265 (Subpart N) except for any of the facilities described below:

- Landfills operated in conjunction with other industrial or commercial operations when the landfill only receives wastes generated by the industrial or commercial operation directly associated with the landfill;
- Landfills operated in conjunction with other industrial or commercial operations when the landfill receives wastes generated by the industrial or commercial operation directly associated with the landfill and also receives other wastes provided the other wastes received for disposal are generated by a facility that is subject to the same provisions in 40 CFR Subchapter N as the industrial or commercial operation of the other wastes received are of similar nature to the wastes generated by the industrial or commercial operation;
- Landfills operated in conjunction with Centralized Waste Treatment (CWT) facilities subject to 40 CFR Part 437 so long as the CWT facility commingles the landfill wastewater with other non-landfill wastewater for discharge. A landfill directly associated with a CWT facility is subject to this part if the CWT facility discharges landfill wastewater separately from other CWT wastewater or commingles the wastewater from its landfill only with wastewater from other landfills; or
- Landfills operated in conjunction with other industrial or commercial operations when the landfill receives wastes from public service activities so long as the company owning the landfill does not receive a fee or other remuneration for the disposal service.